

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: James Rulon Young Rawson et al. : Group Art Unit:  
Serial No.: : Examiner:  
Filed: :  
For SYSTEM FOR THE PURIFICATION AND REUSE  
OF SPENT BRINE IN A WATER SOFTENER :  
:

## INFORMATION DISCLOSURE STATEMENT

1 **Pursuant to 37CFR 1.97(b)**  
[within 3 months of national, non-CPA filing or prior to 1st Office Action] *no charge*

2 **Certification Pursuant to 37 CFR 1.97(c)(1)**  
[before Final Office Action, Allowance, or other action closing prosecution] *no charge*

3 **Fee Payment Pursuant to 37 CFR 1.97(c)(2)**  
[before Final Office Action, Allowance, or other action closing prosecution] *\$180.00*

4 **Certification & Fee Payment Pursuant to 37 CFR 1.97(d)**  
[On or before issue fee payment] *\$180.00*

ATTN: MAILSTOP PATENT APPLICATION  
US PATENT & TRADEMARK OFFICE  
2011 S. CLARK PLACE  
CRYSTAL PLAZA II, LBY RM 1B03  
ARLINGTON, VA 22202-0001

Sir:

The following are submitted in the above application in compliance with 37 CFR 1.97 and 37 CFR 1.98:

5 A list of documents on form PTO-1449 or Substitute together with copies of each identified document and a translation thereof or a concise explanation of each non-English language document or a Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty or document(s) cited in the application or the priority application.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date indicated below.

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Signature

This paper is submitted in accordance with:

6 37 CFR 1.97(b): [within 3 months of national, non-CPA filing or prior to 1st Office Action]

7 37 CFR 1.97(c): [before Final Office Action, Allowance, or other action closing prosecution, whichever is earlier]; and

8 The required Certification made in item 11 below;

9 <sup>or</sup> The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 15 below.

10 37 CFR 1.97(d): [on or before issue fee payment]; and

a) The required Certification is stated in item 11 below; and

b) The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.

11 Certification

12 Each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of this Statement; or

13 No item contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this document after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing date of this Statement.

14 Payment of all applicable fees:

15 Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 07-0868

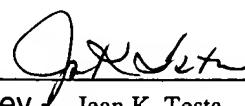
An original and two (2) copies of this document are enclosed.

Respectfully submitted,

10/10/03

Date

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CRD Patent Docket Rm 4A59  
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Schenectady, New York 12301  
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<p>Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.</p> <p><b>Substitute for form 1449A/PTO</b></p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(Use as many sheets as necessary)</p>				<b><i>Complete if Known</i></b>	
				<b>Application Number</b>	Not Yet Assigned
				<b>Filing Date</b>	Simultaneously Herewith
				<b>First Named Inventor</b>	James Rulon Young Rawson
				<b>Group Art Unit</b>	Not Yet Assigned
				<b>Examiner Name</b>	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	134164

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials'	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup>	Number <sup>4</sup>			

Examiner Signature		Date Considered	
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under WIPO Standard ST. 16 if possible. "Applicant is to place a check mark here if English Language Translation is attached. This collection of information is required by 37CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO				<b>Complete if Known</b>	
				Application Number	Not Yet Assigned
				Filing Date	Simultaneously Herewith
				First Named Inventor	James Rulon Young Rawson
				Group Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	134164

**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	MASARU KURIHARA, et al., <i>High Recovery / High pressure Membranes for Brine Conversion SWRO Process Development and its Performance Data</i> , conference proceedings, European Desalination Society and International Water Services Association, Las Palmas, Nov. 9-12, 1999. Also Desalination 125	
	2	DAVID H. PAUL, <i>Membrane Separation: Primary Factors Influencing RO Membrane Permeate Flow</i> , Water Conditioning & Purification, April 2002, pgs. 30-32	

Examiner Signature		Date Considered	
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<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>2</sup>Applicant's unique citation designation number (optional). <sup>3</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>4</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.

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